N THE CLAIMS

Amend Claims 1-10 as follows and add Claims 11-20:

1. (Currently amended) A welding method for gas metal arc welding with continuous electode feeding, comprising

process control for short arc and/or spray arc welding, and also for short pulsing for separating off essentially one droplet per pulse, ~~characterized in that~~ wherein

the process control according to the short pulse method is caused to alternate cyclically between this and the process control for short arc or spray arc welding without the arc being intentionally extinguished in between, and ~~in that~~

the time for at least one of these process control methods is determined by a time programmed in by the user.

2. (Currently amended) The welding method as claimed in claim 1, ~~characterized in that~~ wherein the time for the second process control method is determined by a frequency for the cyclic alternating between the process control methods programmed in by the user.

3. (Currently amended) A welding power source for MIG/MAG welding comprising

a first process regulator for short arc and/or spray arc welding, ~~and, in addition,~~

a second process regulator for short pulsing for separating off essentially one droplet per pulse, and

~~characterized in that~~ it ~~also comprises~~ means for carrying out the welding method as claimed in claim 1 ~~or 2~~.

4. (Currently amended) The welding power source as claimed in claim 3, wherein ~~where~~ the means comprises a timer that can be set for times of 25 to 1000 ms.

5. (Currently amended) The welding power source as claimed in claim 4 ~~3~~, wherein ~~where~~ the means comprises a timer that can be set for times of 50 to 300 ms.

6. (Currently amended) The welding power source as claimed in claim ~~any one of claims~~ 3 ~~-5~~, ~~where~~ wherein the means also comprises a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

7. (Currently amended) The welding power source as claimed in claim 6, wherein ~~where~~ the means also comprises a setting device with special support for facilitating programming of the alternating between the first and second phases.

8. (Currently amended) A control box that can be connected to a welding set as claimed in claim ~~any one of the claims~~ 3 ~~-7~~, ~~characterized in that it comprises~~ additionally comprising a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

9. (Currently amended) The control box as claimed in claim 8, comprising ~~characterized in that it comprises~~ a setting device with special support for facilitating programming of the alternating between the first and second phases.

10. (Currently amended) Software for carrying out the method as claimed in claim 1 ~~or 2~~ in a welding set.

11. (New) A welding power source for MIG/MAG welding comprising
a first process regulator for short arc and/or spray arc welding,
a second process regulator for short pulsing for separating off essentially one droplet per pulse, and
means for carrying out the welding method as claimed in claim 2.

12. (New) The welding power source as claimed in claim 11, wherein the means comprises a timer that can be set for times of 25 to 1000 ms.

13. (New)The welding power source as claimed in claim 12, wherein the means comprises a timer that can be set for times of 50 to 300 ms.

14. (New) The welding power source as claimed in claim 11, wherein the means also comprises a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

15. (New) The welding power source as claimed in claim 14, wherein the means also comprises a setting device with special support for facilitating programming of the alternating between the first and second phases.

16. (New) A control box that can be connected to a welding set as claimed in claim 11, additionally comprising a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

17. (New) The control box as claimed in claim 16, comprising a setting device with special support for facilitating programming of the alternating between the first and second phases.

18. (New) A control box that can be connected to a welding set as claimed in claim 6, additionally comprising a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

19. (New) A control box that can be connected to a welding set as claimed in claim 14, additionally comprising a setting device with special support for facilitating programming of a first phase with setting data for short arc or spray arc parameters, and a second phase with setting data for the short pulsing.

20. (New) The control box as claimed in claim 19, comprising a setting device with special support for facilitating programming of the alternating between the first and second phases.